PENNIE, EDMONDS, MORTON, BARROWS AND TAYLOR

COPY

April 30, 1954

H3400

Mr. Millard E. Haller
1191 East 214th Street
Bronx 6, New York

Mr. George Andrews
821 Swinton Avenue
Bronx 61, New York

Gentlemen:

I am enclosing herewith the original of the patent application on your invention relating to a metal sleeve for use in connection with the installation of acoustical ceiling tile. I am also enclosing a photostat of the drawing which, when modified as indicated in the inked corrections, will be filed with the patent application. Will you kindly review the application and let me have any suggestions or changes which you may think desirable? In any event, whether you have such suggestion or not, will you each sign the oath, power of attorney and petition exactly as indicated in pencil on the forms before a notary public who should also sign in the place provided therefor?

I might call to your attention the corrections which will be made to the drawing. In Fig. 1 the line 3-3 will come out and will be placed as shown in Fig. 2. Also in Fig. 1 the side members 3 will be opened as shown in the inked corrections on the left side of Fig. 1. Also in Fig. 2 the T bars will be illustrated by broken lines to indicate that the T bars will be actually abutting.

The Patent Office filing fee for the filing of the application is $30.00. When you return the original application to me executed, would you also send me a check in the sum of $30.00 made payable to the Commissioner of Patents? I am also enclosing two letters which I have directed to

Mr. Paul Washburn of the Johns-Manville Corporation and two copies of the patent application which you may retain.

Very truly yours,

Thomas F. Reddy, Jr.

Enclosures

P.S. For the purpose of convenience, I have enclosed all of the papers with my letter to Mr. Andrews. I think it advisable that you both attend to the execution of the original of the application as soon as possible.

T.F.R.

PENNIE, EDMONDS, MORTON, BARROWS AND TAYLOR
COUNSELLORS AT LAW
247 PARK AVENUE
NEW YORK 17, N.Y.

NEW YORK N.Y. MAR 5 7-PM 1959

GRAND CENTRAL STATION

MR. MILLARD E. HALLER,

1191 East 214th Street,

Bronx 6, N.Y.

February 1, 1959.

FROM

PENNIE, EDMONDS, MORTON, BARROWS AND TAYLOR
247 PARK AVENUE
NEW YORK 17, N. Y.

MR. MILLARD E. HALLER,
1191 East 214th Street,
Bronx 6, New York.

TO PROFESSIONAL SERVICES

DISBURSEMENTS

Paid Government final fee in allowed U.S. Patent application of Millard E. Haller and George Andrews, Serial No. 429,645, SLEEVE FOR JOINING T BARS IN INSTALLING TILE,	$ 30.00
Miscellaneous disbursements for copies of patents, postage, typing, etc.,	6.62
	$ 36.62

CREDIT

February 3, 1958, By overpayment of bill of December 31, 1957,	10.19
	$ 26.43

247 PARK AVENUE
NEW YORK 17, N. Y.

WE TAKE PLEASURE IN ANNOUNCING THAT MR. HAROLD A. TRAVER AND MR. J. PHILIP ANDEREGG WHO HAVE BEEN ASSOCIATED WITH US FOR MANY YEARS PAST HAVE BECOME MEMBERS OF THIS FIRM.

PENNIE, EDMONDS, MORTON, BARROWS AND TAYLOR

JANUARY 1, 1954

PENNIE, EDMONDS, MORTON, BARROWS AND TAYLOR

COUNSELLORS AT LAW

247 PARK AVENUE

NEW YORK 17, N. Y.

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GEORGE LAROUNIS
EDWARD B. HUNTER

H3400

May 12, 1958

Mr. Millard E. Haller
1191 East 214 th Street
Bronx 6, New York

Dear Mr. Haller:

I am pleased to advise you that on May 6, 1958 the Patent Office issued Patent No. 2,833,575 relating to the sleeve for joining T bars in installing tile.

I am enclosing herewith the deed for the Letters Patent, and I would appreciate it if you would acknowledge receipt of the same on the enclosed copy of this letter and return it to me.

Sincerely,

Thomas F. Reddy Jr.

Enclosure

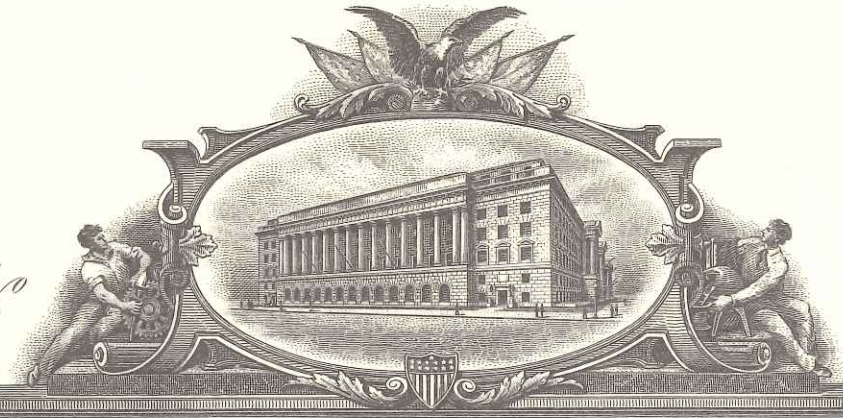
cc: Mr. Andrews

REGISTERED MAIL
RETURN RECEIPT

Receipt of the original deed of Patent No. 2,833,575 is hereby acknowledged this 14TH day of May, 1958

Millard E. Haller

Millard E. Haller



No. 2,833,575

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Whereas Millard E. Haller and George S. Andrews,

of

New York, N. Y.,

PRESENTED TO THE **Commissioner of Patents** A PETITION PRAYING FOR THE GRANT OF LETTERS PATENT FOR AN ALLEGED NEW AND USEFUL INVENTION THE TITLE AND A DESCRIPTION OF WHICH ARE CONTAINED IN THE SPECIFICATION OF WHICH A COPY IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND COMPLIED WITH THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED, AND

Whereas UPON DUE EXAMINATION MADE THE SAID CLAIMANT s are ADJUDGED TO BE JUSTLY ENTITLED TO A PATENT UNDER THE LAW.

NOW THEREFORE THESE **Letters Patent** ARE TO GRANT UNTO THE SAID

Millard E. Haller and George S. Andrews, their heirs

OR ASSIGNS

FOR THE TERM OF SEVENTEEN YEARS FROM THE DATE OF THIS GRANT

RIGHT TO EXCLUDE OTHERS FROM MAKING, USING OR SELLING THE SAID INVENTION THROUGHOUT THE UNITED STATES.

In testimony whereof I have hereunto set my hand, and caused the seal of the Patent Office to be affixed at the City of Washington this sixth day of May, in the year of our Lord one thousand nine hundred and fifty-eight, and of the Independence of the United States of America the one hundred and eighty-second.

Attest:
Karl H. Axlin
Attesting Officer.

Robert C. Watson
Commissioner of Patents.

FORM PO 377A
(9-23-52)

BUREAU OF ENGRAVING AND PRINTING, LITHO.

May 6, 1958 M. E. HALLER ET AL 2,833,575

SLEEVE FOR JOINING T BARS IN INSTALLING TILE

Filed May 13, 1954

FIG. 1

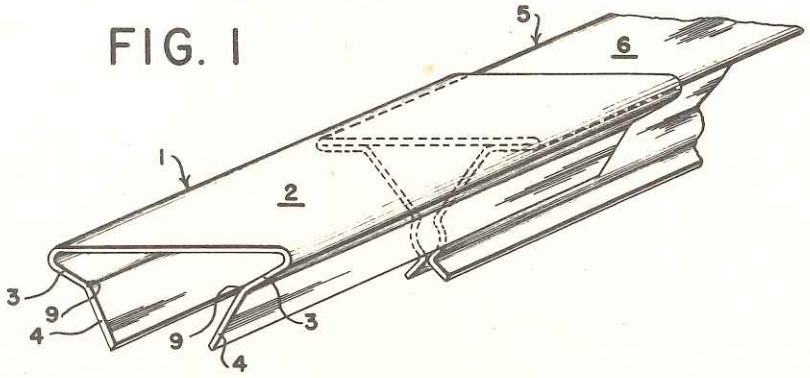


FIG. 2

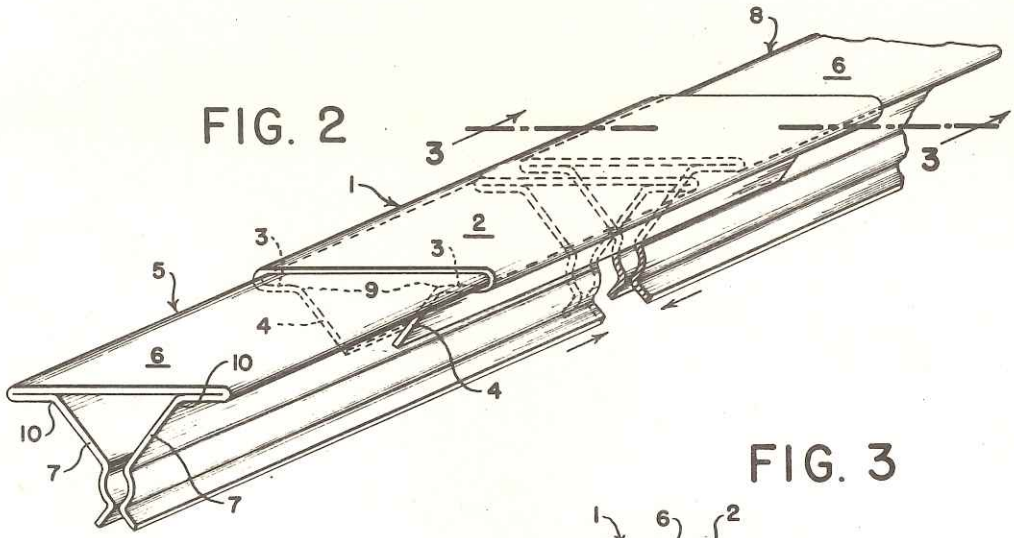
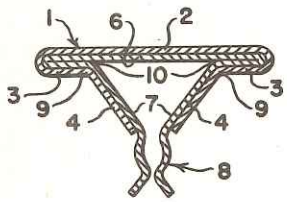


FIG. 3



INVENTORS.
Millard E. Haller
BY George S. Andrews
Penrie, Edmonds, Morton,
Barrows and Taylor
ATTORNEYS

United States Patent Office

2,833,575

Patented May 6, 1958

2,833,575

SLEEVE FOR JOINING T BARS IN INSTALLING TILE

Millard E. Haller and George S. Andrews, New York, N. Y.

Application May 13, 1954, Serial No. 429,645

1 Claim. (Cl. 287—108)

This invention relates to a sleeve adapted to connect abutting T bars used in the installation of acoustical tile or similar construction materials on walls or ceilings.

The installation of tile, acoustical panels, or similar materials on ceilings or walls is usually accomplished by rigidly attaching T bars to the spaced beams or carriers of the ceiling or wall. The T bars bridge the gaps between the beams or carriers and the tile or panels are attached to the T bars by means of bracket clips or similar means. In attaching the T bars to the carriers, it is frequently necessary to interconnect one or more T bars by some suitable means in order to span the entire length or width of the ceiling or wall. Heretofore, it has been necessary to interconnect the T bars closely adjacent the carriers to prevent sagging and bending at the joints. This necessitates cutting the T bars adjacent the carriers which results in waste of material, labor and time.

The present invention provides a connecting sleeve for T bars which obviates the disadvantages of prior connecting elements. The connecting sleeves of the present invention form a rigid joint between abutting T bars and permits the connection thereof at any desired point between the carriers or beams to which the T bars are attached, without sagging or bending at the joints. The connecting sleeves of the present invention further provide a connecting element for T bars which is inexpensive and easy to apply.

According to the present invention, the connecting sleeve structure comprises a base member having two depending side members forming a channel-like shaped metal structure, and flanges attached to each of the side members. The width of the base member is slightly larger than the width of the cross bar member of the T bar, so that when the sleeve is fitted over the T bar the cross bar member fits snugly within the confines of the base and side members of the connecting sleeve. The length of the side members of the channel strip is such that when the side members are squeezed toward each other onto the T bars the junctures of the side members and the flanges of the sleeve fit snugly within the juncture formed by the cross bar member and the vertical bar member of the T bar. The side members rigidly contact the under sides of the cross bar member. The flanges extending from the side members are so constructed that they rigidly contact the sides of the vertical bar member of the T bar.

For a more detailed description of the invention reference may be had to the drawings in which:

Figure 1 is a schematic view showing the sleeve in open position before it is squeezed onto the T bar;

Figure 2 is a schematic view showing the sleeve in closed position connecting abutting T bars;

Figure 3 is a cross section of Figure 2 taken along the lines 3—3.

In Figure 1 the connecting sleeve 1 is shown in open position and fitted over a T bar 5. The sleeve as shown comprises a base member 2 having depending side members 3 forming a channel shaped structure. Depending from the side members 3 are flanges 4. The sleeve is fitted over the T bar by sliding the T bar into the channel formed by the base and side members of the sleeve. The width of the base member is slightly wider than the width of the cross bar member 6 of the T bar 5 so that the cross bar snugly fits within the channel of the sleeve. The sleeve is squeezed on the T bar by pressing the flanges 4 toward each other by any suitable means.

The sleeve is shown in closed position in Figures 2 and 3 and interconnecting two T bars 5 and 8. The length of the side members 3, as more clearly shown in Figure 3, is such that when the side members are squeezed toward each other to the closed position onto the T bars, the juncture 9 of the side members 3 and the flanges 4 of the sleeve fit snugly within the juncture 10 of the cross bar member 6 and the leg member 7 of the T bar. The flanges 4 close upon the sides of the vertical bar member 7.

The present connecting sleeve structure prevents movement of the T bars in both a vertical and lateral direction by means of simultaneous contact with both the under side of the cross bar and the lateral sides of the vertical bar of the T bar. The flanges are sufficiently long so as to engage a substantial portion of the vertical bar member giving more surface contact area in the joint and further preventing any undesirable movement at the joint.

We claim:

A sleeve for joining T-bars having cross bar members and leg members which consists of a base member, side members extending from the base and with said base member forming a channel structure adapted to receive the cross bar members of the T-bars to be joined, said side members converging towards one another from said base member, and each forming an acute angle with the base member, and flanges extending from the edges of the side members remote from the base member, said flanges converging towards each other, and each forming an acute angle with the base member larger than the acute angle formed by its side member with the base member, the edges of said flanges remote from the side members being free and spaced from one another, the length of the side members being substantially equal to the distance between the outer edge of the cross bars of the T-bars to be joined and the juncture of the cross bars of such T-bars and the legs thereof, said sleeve being adapted to be slipped over adjacent ends of the T-bars to be joined and to have the sides and flanges, respectively, pressed against the underside of the cross bars and against the legs of the T-bars with the junctures between the side members and flanges of the sleeve fitting snugly in the junctures between the cross bars and legs of the T-bars.

References Cited in the file of this patent

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176,013	Great Britain	Mar. 9, 1922

PENNIE, EDMONDS, MORTON, BARROWS AND TAYLOR
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247 PARK AVENUE
NEW YORK 17, N. Y.

REGISTERED Return Receipt

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FIRST CLASS MAIL

FROM
PENNIE, EDMONDS, MORTON, BARROWS AND TAYLOR
247 PARK AVENUE • NEW YORK 17, N. Y.

TO:
MR. MILLARD E. HALLER
1191 EAST 214th STREET
BRONX 6, NEW YORK

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RETURN RECEIPT

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